

Jan Peter Muller

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4826453/publications.pdf>

Version: 2024-02-01

240
papers

15,720
citations

36203

51
h-index

18075

120
g-index

268
all docs

268
docs citations

268
times ranked

13508
citing authors

#	ARTICLE	IF	CITATIONS
1	SEnSel: A Deep Learning Module for Creating Sensor Independent Cloud Masks. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-21.	2.7	1
2	Subpixel-Scale Topography Retrieval of Mars Using Single-Image DTM Estimation and Super-Resolution Restoration. Remote Sensing, 2022, 14, 257.	1.8	3
3	Subsurface Reflectors Detected by SHARAD Reveal Stratigraphy and Buried Channels Over Central Elysium Planitia, Mars. Earth and Space Science, 2021, 8, e2019EA000968.	1.1	8
4	Contemporaneous Monitoring of the Whole Dynamic Earth System from Space, Part I: System Simulation Study Using GEO and Molniya Orbits. Remote Sensing, 2021, 13, 878.	1.8	3
5	Toward a Comprehensive Dam Monitoring: On-Site and Remote-Retrieved Forcing Factors and Resulting Displacements (GNSS and PSâ€“InSAR). Remote Sensing, 2021, 13, 1543.	1.8	20
6	Seamless 3D Image Mapping and Mosaicing of Valles Marineris on Mars Using Orbital HRSC Stereo and Panchromatic Images. Remote Sensing, 2021, 13, 1385.	1.8	8
7	Single Image Super-Resolution Restoration of TGO CaSSIS Colour Images: Demonstration with Perseverance Rover Landing Site and Mars Science Targets. Remote Sensing, 2021, 13, 1777.	1.8	17
8	Super-Resolution Restoration of Spaceborne Ultra-High-Resolution Images Using the UCL OpTiGAN System. Remote Sensing, 2021, 13, 2269.	1.8	9
9	Ultra-High-Resolution 1 m/pixel CaSSIS DTM Using Super-Resolution Restoration and Shape-from-Shading: Demonstration over Oxia Planum on Mars. Remote Sensing, 2021, 13, 2185.	1.8	11
10	Rapid Single Image-Based DTM Estimation from ExoMars TGO CaSSIS Images Using Generative Adversarial U-Nets. Remote Sensing, 2021, 13, 2877.	1.8	12
11	Towards Streamlined Single-Image Super-Resolution: Demonstration with 10 m Sentinel-2 Colour and 10â€“60 m Multi-Spectral VNIR and SWIR Bands. Remote Sensing, 2021, 13, 2614.	1.8	7
12	The Detectability Limit of Organic Molecules Within Mars South Polar Laboratory Analogs. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006595.	1.5	1
13	Large Area High-Resolution 3D Mapping of Oxia Planum: The Landing Site for the ExoMars Rosalind Franklin Rover. Remote Sensing, 2021, 13, 3270.	1.8	8
14	Digital Elevation Models: Terminology and Definitions. Remote Sensing, 2021, 13, 3581.	1.8	59
15	A Method of Retrieving 10-m Spectral Surface Albedo Products from Sentinel-2 and MODIS data. , 2021, , .		0
16	MADNet 2.0: Pixel-Scale Topography Retrieval from Single-View Orbital Imagery of Mars Using Deep Learning. Remote Sensing, 2021, 13, 4220.	1.8	10
17	Influences of leaf area index and albedo on estimating energy fluxes with HOLAPS framework. Journal of Hydrology, 2020, 580, 124245.	2.3	4
18	A Multi-Annotator Survey of Sub-km Craters on Mars. Data, 2020, 5, 70.	1.2	6

#	ARTICLE	IF	CITATIONS
19	In-Situ and Aircraft Reflectance Measurement Effectiveness for CAL/VAL Activities: A Study over Railroad Valley. <i>Remote Sensing</i> , 2020, 12, 3366.	1.8	0
20	Simulating Multi-Directional Narrowband Reflectance of the Earth's Surface Using ADAM (A Surface) Tj ETQq0 0 0 rgBT /Qverlock 10	1.8	8
21	Validation of Space-Based Albedo Products from Upscaled Tower-Based Measurements Over Heterogeneous and Homogeneous Landscapes. <i>Remote Sensing</i> , 2020, 12, 833.	1.8	14
22	Automated reconstruction of subsurface interfaces in Promethei Lingula near the Martian south pole by using SHARAD data. <i>Planetary and Space Science</i> , 2019, 166, 59-69.	0.9	5
23	CloudFCN: Accurate and Robust Cloud Detection for Satellite Imagery with Deep Learning. <i>Remote Sensing</i> , 2019, 11, 2312.	1.8	55
24	Can We Use Satellite-Based FAPAR to Detect Drought?. <i>Sensors</i> , 2019, 19, 3662.	2.1	14
25	Intercomparison of Surface Albedo Retrievals from MISR, MODIS, CGLS Using Tower and Upscaled Tower Measurements. <i>Remote Sensing</i> , 2019, 11, 644.	1.8	21
26	A New South Polar Digital Terrain Model of Mars from the High-Resolution Stereo Camera (HRSC) onboard the ESA Mars Express. <i>Planetary and Space Science</i> , 2019, 174, 43-55.	0.9	15
27	Super-Resolution Restoration of MISR Images Using the UCL MAGiGAN System. <i>Remote Sensing</i> , 2019, 11, 52.	1.8	13
28	The 2016 UK Space Agency Mars Utah Rover Field Investigation (MURFI). <i>Planetary and Space Science</i> , 2019, 165, 31-56.	0.9	7
29	Sea Ice Albedo from MISR and MODIS: Production, Validation, and Trend Analysis. <i>Remote Sensing</i> , 2019, 11, 9.	1.8	15
30	A Systematic Solution to Multi-Instrument Coregistration of High-Resolution Planetary Images to an Orthorectified Baseline. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 78-92.	2.7	10
31	Massive stereo-based DTM production for Mars on cloud computers. <i>Planetary and Space Science</i> , 2018, 154, 30-58.	0.9	33
32	A search for polycyclic aromatic hydrocarbons over the Martian South Polar Residual Cap. <i>Icarus</i> , 2018, 308, 61-70.	1.1	6
33	Comparing experts and novices in Martian surface feature change detection and identification. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2018, 64, 354-364.	1.4	8
34	Information content analysis: the potential for methane isotopologue retrieval from GOSAT-2. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 1159-1179.	1.2	4
35	Quality Assurance Framework Development Based on Six New ECV Data Products to Enhance User Confidence for Climate Applications. <i>Remote Sensing</i> , 2018, 10, 1254.	1.8	20
36	The Web-Based Interactive Mars Analysis and Research System for HRSC and the iMars Project. <i>Earth and Space Science</i> , 2018, 5, 308-323.	1.1	10

#	ARTICLE	IF	CITATIONS
37	The importance of surface reflectance anisotropy for cloud and NO<sub>2</sub> retrievals from GOME-2 and OMI. Atmospheric Measurement Techniques, 2018, 11, 4509-4529.	1.2	25
38	Geological Analysis of Martian Roverâ€Derived Digital Outcrop Models Using the 3â€ Visualization Tool, Planetary Robotics 3â€ Viewerâ€PRo3D. Earth and Space Science, 2018, 5, 285-307.	1.1	28
39	Automatic Coregistration and orthorectification (ACRO) and subsequent mosaicing of NASA high-resolution imagery over the Mars MC11 quadrangle, using HRSC as a baseline. Planetary and Space Science, 2018, 151, 33-42.	0.9	9
40	A New Method for Automatically Tracing Englacial Layers from MCoRDS Data in NW Greenland. Remote Sensing, 2018, 10, 43.	1.8	11
41	Hyperspectral Features of Oil-Polluted Sea Ice and the Response to the Contamination Area Fraction. Sensors, 2018, 18, 234.	2.1	18
42	MERIS observations of phytoplankton phenology in the Baltic Sea. Science of the Total Environment, 2018, 642, 447-462.	3.9	7
43	Repeat multiview panchromatic super-resolution restoration using the UCL MAGiGAN system. , 2018, , .		2
44	Performance of global 3D model retrievals of the Martian surface using the UCL CASP-GO system on CTX stereo images on linux clusters and Microsoft Azureâ cloud computing platforms. , 2018, , .		0
45	Monitoring Land Subsidence in a Rural Area Using a Combination of ADInSAR and Polarimetric Coherence Optimization. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 3582-3590.	2.3	7
46	Determination of phytoplankton abundances (Chlorophyll- a) in the optically complex inland water - The Baltic Sea. Science of the Total Environment, 2017, 601-602, 1060-1074.	3.9	12
47	Assessment of MISR Cloud Motion Vectors (CMVs) Relative to GOES and MODIS Atmospheric Motion Vectors (AMVs). Journal of Applied Meteorology and Climatology, 2017, 56, 555-572.	0.6	18
48	Identification of the Beagle 2 lander on Mars. Royal Society Open Science, 2017, 4, 170785.	1.1	12
49	Qualityâassured longâterm satelliteâbased leaf area index product. Global Change Biology, 2017, 23, 5027-5028.	4.2	7
50	Combination of Persistent Scatterer Interferometry and Single-Baseline Polarimetric Coherence Optimisation to Estimate Deformation Rates with Application to Tehran Basin. PFG - Journal of Photogrammetry, Remote Sensing and Geoinformation Science, 2017, 85, 327-340.	0.7	5
51	Assessment of Satellite-Derived Surface Reflectances by NASAâ™s CAR Airborne Radiometer over Railroad Valley Playa. Remote Sensing, 2017, 9, 562.	1.8	9
52	The Application of ALOS/PALSAR InSAR to Measure Subsurface Penetration Depths in Deserts. Remote Sensing, 2017, 9, 638.	1.8	17
53	Time Series Analysis of Very Slow Landslides in the Three Gorges Region through Small Baseline SAR Offset Tracking. Remote Sensing, 2017, 9, 1314.	1.8	19
54	Landslide Susceptibility Mapping Using GIS-based Vector Grid File (VGF) Validating with InSAR Techniques: Three Gorges, Yangtze River (China). AIMS Geosciences, 2017, 3, 116-141.	0.4	4

#	ARTICLE	IF	CITATIONS
55	A New Global fAPAR and LAI Dataset Derived from Optimal Albedo Estimates: Comparison with MODIS Products. <i>Remote Sensing</i> , 2016, 8, 275.	1.8	34
56	Synergy of stereo cloud top height and ORAC optimal estimation cloud retrieval: evaluation and application to AATSR. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 909-928.	1.2	9
57	Evaluation of the Use of Sub-Pixel Offset Tracking Techniques to Monitor Landslides in Densely Vegetated Steeply Sloped Areas. <i>Remote Sensing</i> , 2016, 8, 659.	1.8	33
58	Crack Detection in "As-Cast" Steel Using Laser Triangulation and Machine Learning. , 2016, , .		7
59	Mars' atmosphere: The sister planet, our statistical twin. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 11,968.	1.2	11
60	A new quality validation of global digital elevation models freely available in China. <i>Survey Review</i> , 2016, 48, 409-420.	0.7	13
61	A novel method for surface exploration: Super-resolution restoration of Mars repeat-pass orbital imagery. <i>Planetary and Space Science</i> , 2016, 121, 103-114.	0.9	23
62	Automated localisation of Mars rovers using co-registered HiRISE-CTX-HRSC orthorectified images and wide baseline Navcam orthorectified mosaics. <i>Icarus</i> , 2016, 280, 139-157.	1.1	24
63	Development of robust quality assurance procedures for terrestrial essential climate variable data products derived from Earth Observation satellites. , 2016, , .		0
64	On the status of orbital high-resolution repeat imaging of Mars for the observation of dynamic surface processes. <i>Planetary and Space Science</i> , 2015, 117, 207-222.	0.9	17
65	Quantifying geological processes on Marsâ€”Results of the high resolution stereo camera (HRSC) on Mars express. <i>Planetary and Space Science</i> , 2015, 112, 53-97.	0.9	63
66	Matching of Large Images Through Coupled Decomposition. <i>IEEE Transactions on Image Processing</i> , 2015, 24, 2124-2139.	6.0	9
67	An Improved Baseline Estimation Method using External DEMs in Different Terrain Areas. , 2015, , .		0
68	Extraction of Subsurface Features from InSAR-derived Digital Elevation Models. , 2015, , .		0
69	Automated Stereo Retrieval of Smoke Plume Injection Heights and Retrieval of Smoke Plume Masks From AATSR and Their Assessment With CALIPSO and MISR. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014, 52, 1249-1258.	2.7	22
70	Volatile and Organic Compositions of Sedimentary Rocks in Yellowknife Bay, Gale Crater, Mars. <i>Science</i> , 2014, 343, 1245267.	6.0	323
71	A Habitable Fluvio-Lacustrine Environment at Yellowknife Bay, Gale Crater, Mars. <i>Science</i> , 2014, 343, 1242777.	6.0	687
72	Mineralogy of a Mudstone at Yellowknife Bay, Gale Crater, Mars. <i>Science</i> , 2014, 343, 1243480.	6.0	508

#	ARTICLE	IF	CITATIONS
73	Mars™ Surface Radiation Environment Measured with the Mars Science Laboratory™s Curiosity Rover. Science, 2014, 343, 1244797.	6.0	475
74	In Situ Radiometric and Exposure Age Dating of the Martian Surface. Science, 2014, 343, 1247166.	6.0	224
75	Elemental Geochemistry of Sedimentary Rocks at Yellowknife Bay, Gale Crater, Mars. Science, 2014, 343, 1244734.	6.0	246
76	Calibrating Mars Orbiter Laser Altimeter pulse widths at Mars Science Laboratory candidate landing sites. Planetary and Space Science, 2014, 99, 118-127.	0.9	2
77	Evaluating sub-pixel offset techniques as an alternative to D-InSAR for monitoring episodic landslide movements in vegetated terrain. Remote Sensing of Environment, 2014, 147, 133-144.	4.6	134
78	On Mars too expect macroweather. Geophysical Research Letters, 2014, 41, 7694-7700.	1.5	14
79	X-ray Diffraction Results from Mars Science Laboratory: Mineralogy of Rocknest at Gale Crater. Science, 2013, 341, 1238932.	6.0	327
80	Curiosity at Gale Crater, Mars: Characterization and Analysis of the Rocknest Sand Shadow. Science, 2013, 341, 1239505.	6.0	280
81	A branching, positive relief network in the middle member of the Medusae Fossae Formation, equatorial Mars™Evidence for sapping?. Planetary and Space Science, 2013, 85, 142-163.	0.9	11
82	Multi-resolution digital terrain models and their potential for Mars landing site assessments. Planetary and Space Science, 2013, 85, 89-105.	0.9	4
83	Abundance and Isotopic Composition of Gases in the Martian Atmosphere from the Curiosity Rover. Science, 2013, 341, 263-266.	6.0	327
84	Volatile, Isotope, and Organic Analysis of Martian Fines with the Mars Curiosity Rover. Science, 2013, 341, 1238937.	6.0	367
85	ExoMars Rover PanCam: Autonomous & Computational Intelligence [Application Notes]. IEEE Computational Intelligence Magazine, 2013, 8, 52-61.	3.4	9
86	Using advanced InSAR time series techniques to monitor landslide movements in Badong of the Three Gorges region, China. International Journal of Applied Earth Observation and Geoinformation, 2013, 21, 253-264.	1.4	105
87	A regional investigation of urban land-use change for potential landslide hazard assessment in the Three Gorges Reservoir Area, People's Republic of China: Zigui to Wanzhou. International Journal of Remote Sensing, 2013, 34, 2983-3011.	1.3	15
88	Sensor Intercalibration Over Dome C for the ESA GlobAlbedo Project. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 1139-1146.	2.7	9
89	Martian Fluvial Conglomerates at Gale Crater. Science, 2013, 340, 1068-1072.	6.0	326
90	XXIInd International Congress of Photogrammetry and Remote Sensing. Photogrammetric Record, 2013, 28, 43-73.	0.4	0

#	ARTICLE	IF	CITATIONS
91	The Petrochemistry of Jake_M: A Martian Mugearite. <i>Science</i> , 2013, 341, 1239463.	6.0	134
92	Evaluation of ASTER GDEM using GPS benchmarks and SRTM in China. <i>International Journal of Remote Sensing</i> , 2013, 34, 1744-1771.	1.3	82
93	Soil Diversity and Hydration as Observed by ChemCam at Gale Crater, Mars. <i>Science</i> , 2013, 341, 1238670.	6.0	215
94	Low Upper Limit to Methane Abundance on Mars. <i>Science</i> , 2013, 342, 355-357.	6.0	103
95	Global warping coefficients for improving ATSR co-registration. <i>Remote Sensing Letters</i> , 2013, 4, 151-160.	0.6	4
96	How much CO was emitted by the 2010 fires around Moscow?. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 4737-4747.	1.9	66
97	Fluorescence Characterization of Clinically-Important Bacteria. <i>PLoS ONE</i> , 2013, 8, e75270.	1.1	56
98	The ESA globAlbedo project: Algorithm. , 2012, , .		11
99	Global analysis of the improvements in AATSR nadir-forward co-registration following the application of an automated registration algorithm. , 2012, , .		0
100	Exploiting ten years of MERIS data over land surfaces. , 2012, , .		0
101	Satellite sensor intercalibration over Dome C: An introduction to QA4EO and the ESA GlobAlbedo project. , 2012, , .		0
102	Integrated field testing of planetary robotics vision processing: the PRoVisG campaign in Tenerife 2011. <i>Proceedings of SPIE</i> , 2012, , .	0.8	2
103	Measuring forests with dual wavelength lidar: A simulation study over topography. <i>Agricultural and Forest Meteorology</i> , 2012, 161, 123-133.	1.9	50
104	Hydraulic modeling of a distributary channel of Athabasca Valles, Mars, using a high-resolution digital terrain model. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	14
105	Monitoring of Eyjafjallaj�kull volcanic aerosol by the new European Skynet Radiometers (ESR) network. <i>Atmospheric Environment</i> , 2012, 48, 33-45.	1.9	50
106	Experimental determination of photostability and fluorescence-based detection of PAHs on the Martian surface. <i>Meteoritics and Planetary Science</i> , 2012, 47, 806-819.	0.7	28
107	Progressively weighted affine adaptive correlation matching for quasi-dense 3D reconstruction. <i>Pattern Recognition</i> , 2012, 45, 3795-3809.	5.1	22
108	Constraints on the origin and evolution of Iani Chaos, Mars. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	28

#	ARTICLE	IF	CITATIONS
109	Correction to "Late Noachian to Hesperian climate change on Mars: Evidence of episodic warming from transient crater lakes near Ares Vallis". <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	1
110	Degradation of Cyanobacterial Biosignatures by Ionizing Radiation. <i>Astrobiology</i> , 2011, 11, 997-1016.	1.5	48
111	A threshold insensitive method for locating the forest canopy top with waveform lidar. <i>Remote Sensing of Environment</i> , 2011, 115, 3286-3297.	4.6	33
112	Penetrators for in situ subsurface investigations of Europa. <i>Advances in Space Research</i> , 2011, 48, 725-742.	1.2	51
113	Tree and building detection in dense urban environments using automated processing of IKONOS image and LiDAR data. <i>International Journal of Remote Sensing</i> , 2011, 32, 2245-2273.	1.3	14
114	Mapping Medusae Fossae Formation materials in the southern highlands of Mars. <i>Icarus</i> , 2010, 209, 405-415.	1.1	18
115	The efficacy of satellite information in improving CMAQ/Models-3 prediction of ozone episodes in the US-Mexico border. <i>Air Quality, Atmosphere and Health</i> , 2010, 3, 159-169.	1.5	4
116	The Western Elysium Planitia Paleolake. , 2010, , 275-305.		8
117	Retreat of a giant cataract in a long-lived (3.7±2.6 Ga) martian outflow channel. <i>Geology</i> , 2010, 38, 791-794.	2.0	30
118	Ten years of MISR observations from Terra: Looking back, ahead, and in between. , 2010, , .		3
119	Hesperian equatorial thermokarst lakes in Ares Vallis as evidence for transient warm conditions on Mars. <i>Geology</i> , 2010, 38, 71-74.	2.0	37
120	Late Noachian to Hesperian climate change on Mars: Evidence of episodic warming from transient crater lakes near Ares Vallis. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	57
121	Late-stage water eruptions from Ascraeus Mons volcano, Mars: Implications for its structure and history. <i>Earth and Planetary Science Letters</i> , 2010, 294, 479-491.	1.8	21
122	An assessment of surface matching for the automated co-registration of MOLA, HRSC and HiRISE DTMs. <i>Earth and Planetary Science Letters</i> , 2010, 294, 520-533.	1.8	27
123	InSAR measurement of fault activity in Red River fault zone. , 2010, , 747-750.		0
124	Laser-Induced Fluorescence Emission (L.I.F.E.): Searching for Mars Organics with a UV-Enhanced PanCam. <i>Astrobiology</i> , 2009, 9, 953-964.	1.5	55
125	Multi-resolution topographic data extraction from Martian stereo imagery. <i>Planetary and Space Science</i> , 2009, 57, 2095-2112.	0.9	49
126	Sorted stone circles in Elysium Planitia, Mars: Implications for recent martian climate. <i>Icarus</i> , 2009, 200, 30-38.	1.1	45

#	ARTICLE	IF	CITATIONS
127	A refined chronology of catastrophic outflow events in Ares Vallis, Mars. Earth and Planetary Science Letters, 2009, 288, 58-69.	1.8	57
128	Potential for non-destructive astrochemistry using the ExoMars PanCam. Geophysical Research Letters, 2008, 35, .	1.5	18
129	Extracting Tree Heights over Topography with Multi-Spectral Spaceborne Waveform Lidar. , 2008, , .		0
130	Epifluorescence surveys of extreme environments using PanCam imaging systems: Antarctica and the Mars regolith. Proceedings of SPIE, 2008, , .	0.8	4
131	WindCam and MSPI: two cloud and aerosol instrument concepts derived from Terra/MISR heritage. Proceedings of SPIE, 2008, , .	0.8	6
132	Stereo cloud-top heights and cloud fraction retrieval from ATSR-2. International Journal of Remote Sensing, 2007, 28, 1921-1938.	1.3	46
133	The EU-CLoudMAP project: Cirrus and contrail cloud-top maps from satellites for weather forecasting climate change analysis. International Journal of Remote Sensing, 2007, 28, 1915-1919.	1.3	6
134	ATSR-2 camera models for the automated stereo photogrammetric retrieval of cloud-top heights- initial assessments. International Journal of Remote Sensing, 2007, 28, 1939-1955.	1.3	11
135	ALBEDOMAP: MERIS land surface albedo retrieval using data fusion with MODIS BRDF and its validation using contemporaneous EO and in situ data products. , 2007, , .		16
136	Comparison between ATSR-2 stereo, MOS O2-A band and ground-based cloud top heights. International Journal of Remote Sensing, 2007, 28, 1969-1987.	1.3	10
137	Potential Applications of Thermal Fisheye Imagery in Urban Environments. IEEE Geoscience and Remote Sensing Letters, 2007, 4, 56-59.	1.4	24
138	Evaluating planetary digital terrain models- The HRSC DTM test. Planetary and Space Science, 2007, 55, 2173-2191.	0.9	69
139	Interferometric synthetic aperture radar atmospheric correction: Medium Resolution Imaging Spectrometer and Advanced Synthetic Aperture Radar integration. Geophysical Research Letters, 2006, 33, .	1.5	78
140	Interferometric synthetic aperture radar atmospheric correction: GPS topography-dependent turbulence model. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	120
141	A study on the applicability of repeat-pass SAR interferometry for generating DEMs over several Indian test sites. International Journal of Remote Sensing, 2006, 27, 595-616.	1.3	16
142	Assessment of the potential of MERIS near-infrared water vapour products to correct ASAR interferometric measurements. International Journal of Remote Sensing, 2006, 27, 349-365.	1.3	83
143	GROUND CONTROL DETERMINATION FOR REGISTRATION OF SATELLITE IMAGERY USING DIGITAL MAP DATA. Photogrammetric Record, 2006, 12, 809-822.	0.4	4
144	Assessment of multispectral ATSR2 stereo cloud-top height retrievals. Remote Sensing of Environment, 2006, 104, 337-345.	4.6	7

#	ARTICLE	IF	CITATIONS
145	Mapping regional economic activity from night-time light satellite imagery. <i>Ecological Economics</i> , 2006, 57, 75-92.	2.9	501
146	Context for the ESA ExoMars rover: the Panoramic Camera (PanCam) instrument. <i>International Journal of Astrobiology</i> , 2006, 5, 269-275.	0.9	41
147	Automated Crater Detection, A New Tool for Mars Cartography and Chronology. <i>Photogrammetric Engineering and Remote Sensing</i> , 2005, 71, 1205-1217.	0.3	103
148	HRSC on Mars Express " Photogrammetric and Cartographic Research. <i>Photogrammetric Engineering and Remote Sensing</i> , 2005, 71, 1153-1166.	0.3	60
149	Assessment of the Performance of the Chilbolton 3-GHz Advanced Meteorological Radar for Cloud-Top-Height Retrieval. <i>Journal of Applied Meteorology and Climatology</i> , 2005, 44, 876-887.	1.7	6
150	The value of multiangle measurements for retrieving structurally and radiatively consistent properties of clouds, aerosols, and surfaces. <i>Remote Sensing of Environment</i> , 2005, 97, 495-518.	4.6	159
151	Evidence from the Mars Express High Resolution Stereo Camera for a frozen sea close to Mars' equator. <i>Nature</i> , 2005, 434, 352-356.	13.7	201
152	Intercomparison of multiple years of MODIS, MISR and radar cloud-top heights. <i>Annales Geophysicae</i> , 2005, 23, 2415-2424.	0.6	42
153	Interferometric synthetic aperture radar (InSAR) atmospheric correction: GPS, Moderate Resolution Imaging Spectroradiometer (MODIS), and InSAR integration. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	146
154	On the use of ICESAT-GLAS measurements for MODIS and SEVIRI cloud-top height accuracy assessment. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	13
155	Assessment of MISR and MODIS cloud top heights through inter-comparison with a back-scattering lidar at SIRT. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	45
156	Selection of the landing site in Isidis Planitia of Mars probe Beagle 2. <i>Journal of Geophysical Research</i> , 2003, 108, 1-1.	3.3	65
157	Comparison between active sensor and radiosonde cloud boundaries over the ARM Southern Great Plains site. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	46
158	Comparison of precipitable water vapor derived from radiosonde, GPS, and Moderate-Resolution Imaging Spectroradiometer measurements. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	209
159	Comparison of cloud top heights derived from MISR stereo and MODIS CO2-slicing. <i>Geophysical Research Letters</i> , 2002, 29, 42-1-42-4.	1.5	49
160	Operational retrieval of cloud-top heights using MISR data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2002, 40, 1532-1540.	2.7	166
161	MISR stereoscopic image matchers: techniques and results. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2002, 40, 1547-1559.	2.7	121
162	First operational BRDF, albedo nadir reflectance products from MODIS. <i>Remote Sensing of Environment</i> , 2002, 83, 135-148.	4.6	2,022

#	ARTICLE	IF	CITATIONS
163	Determination of cloud top amount and altitude at high latitudes. Geophysical Research Letters, 2001, 28, 1675-1678.	1.5	10
164	Surface movements of emplaced lava flows measured by synthetic aperture radar interferometry. Journal of Geophysical Research, 2001, 106, 11293-11313.	3.3	58
165	Characterizing the Spatial Variability of Broadband Albedo in a Semidesert Environment for MODIS Validation. Remote Sensing of Environment, 2000, 74, 58-68.	4.6	28
166	A Comparison of Satellite-Derived Spectral Albedos to Ground-Based Broadband Albedo Measurements Modeled to Satellite Spatial Scale for a Semidesert Landscape. Remote Sensing of Environment, 2000, 74, 85-98.	4.6	102
167	Moist convection as an energy source for the large-scale motions in Jupiter's atmosphere. Nature, 2000, 403, 630-632.	13.7	155
168	Night-time Imagery as a Tool for Global Mapping of Socioeconomic Parameters and Greenhouse Gas Emissions. Ambio, 2000, 29, 157-162.	2.8	366
169	Deriving albedo maps for HAPEX-Sahel from ASAS data using kernel-driven BRDF models. Hydrology and Earth System Sciences, 1999, 3, 1-11.	1.9	24
170	Development of a graph-based approach for building detection. Image and Vision Computing, 1999, 17, 3-14.	2.7	100
171	New Directions in Earth Observing: Scientific Applications of Multiangle Remote Sensing. Bulletin of the American Meteorological Society, 1999, 80, 2209-2228.	1.7	204
172	Multi-angle Imaging Spectroradiometer (MISR) instrument description and experiment overview. IEEE Transactions on Geoscience and Remote Sensing, 1998, 36, 1072-1087.	2.7	855
173	The Moderate Resolution Imaging Spectroradiometer (MODIS): land remote sensing for global change research. IEEE Transactions on Geoscience and Remote Sensing, 1998, 36, 1228-1249.	2.7	1,178
174	Investigations of the spatial variability of albedo during the Grassland PROVE '97 Jornada field campaign. , 1998, , .		1
175	Derivation of a global land elevation data set from satellite radar altimeter data for topographic mapping. Journal of Geophysical Research, 1998, 103, 32159-32168.	3.3	3
176	At-launch status of the MODIS BRDF/albedo algorithm: implementation, AVHRR-based prototyping, and future plans. , 1998, , .		0
177	Estimating land surface albedo in the HAPEX-Sahel southern super-site: inversion of two BRDF models against multiple angle ASAS images. Journal of Hydrology, 1997, 188-189, 749-778.	2.3	22
178	Global retrieval of bidirectional reflectance and albedo over land from EOS MODIS and MISR data: Theory and algorithm. Journal of Geophysical Research, 1997, 102, 17143-17161.	3.3	274
179	Accurate geometric correction of ATSR images. IEEE Transactions on Geoscience and Remote Sensing, 1997, 35, 997-1006.	2.7	44
180	Assessment of the Effects of Resolution on Automated DEM and Building Extraction. , 1997, , 233-242.		2

#	ARTICLE	IF	CITATIONS
181	Automated urban area building extraction from high resolution stereo imagery. Image and Vision Computing, 1996, 14, 115-130.	2.7	13
182	Cloud detection from thermal infrared images using a segmentation technique. International Journal of Remote Sensing, 1996, 17, 2845-2856.	1.3	12
183	Topographic effects in AVHRR NDVI data. Remote Sensing of Environment, 1995, 54, 223-232.	4.6	47
184	Building Extraction Building Extraction and Verification from Spaceborne and Aerial Imagery using Image Understanding Fusion Techniques. , 1995, , 221-230.		9
185	The origin of Phobos' grooves and crater chains. Planetary and Space Science, 1994, 42, 519-526.	0.9	25
186	Sampling the surface bidirectional reflectance distribution function (BRDF): 1. Evaluation of current and future satellite sensors. International Journal of Remote Sensing, 1994, 8, 271-311.	1.1	90
187	Terrestrial remote sensing science and algorithms planned for EOS/MODIS. International Journal of Remote Sensing, 1994, 15, 3587-3620.	1.3	333
188	Global change video: visualization freeze-frames. IEEE Computer Graphics and Applications, 1993, 13, 11-13.	1.0	1
189	Evaluation of a CCD-based facial measurement system. Medical Informatics = Medecine Et Informatique, 1991, 16, 213-228.	0.8	18
190	Cornea shape measurement. , 1990, , .		1
191	Digital elevation model production by stereo-matching spot image-pairs: a comparison of algorithms. Image and Vision Computing, 1989, 7, 95-101.	2.7	42
192	QUALITY ASSESSMENT OF DIGITAL ELEVATION MODELS PRODUCED BY AUTOMATIC STEREOMATCHERS FROM SPOT IMAGE PAIRS. Photogrammetric Record, 1988, 12, 797-808.	0.4	14
193	Convective growth rates of equatorial features in the jovian atmosphere. Nature, 1982, 295, 491-494.	13.7	27
194	Dynamical features in the northern hemisphere of Saturn from Voyager 1 images. Nature, 1982, 297, 132-134.	13.7	30
195	Interaction of eddies and mean zonal flow on Jupiter as inferred from Voyager 1 and 2 images. Journal of Geophysical Research, 1981, 86, 8733-8743.	3.3	163
196	Measurements of wind vectors, eddy momentum transports, and energy conversions in Jupiter's atmosphere from Voyager 1 images. Geophysical Research Letters, 1980, 7, 1-4.	1.5	52
197	Correction [to "Measurements of wind vectors, eddy momentum transports, and energy conversions in Jupiter's atmosphere from Voyager 1 images"]. Geophysical Research Letters, 1980, 7, 621-622.	1.5	0
198	Jovian cloud structure and velocity fields. Nature, 1979, 280, 776-778.	13.7	33

#	ARTICLE	IF	CITATIONS
199	Voyager observations of small-scale waves in the equatorial region of the jovian atmosphere. Nature, 1979, 280, 778-780.	13.7	24
200	MODIS operational bidirectional reflectance and albedo products. , 0, , .		0
201	Measurement Of Surface Microtopography Using Helicopter-mounted Stereo Film Cameras And Two Stereo Matching Techniques. , 0, , .		3
202	Application Of Ray-tracing to Satellite Image Understanding. , 0, , .		4
203	Real-time Stereo Matching Spot Using Transputer Arrays. , 0, , .		3
204	Botanical Plant Modelling For Remote Sensing Simulation Studies. , 0, , .		4
205	Global Topography Accuracy Requirements For EOS. , 0, , .		4
206	Surface Roughness Estimation Using Fractal Variogram Analysis. , 0, , .		3
207	Spot Dem Shading For Landsat-tm Topographic correction. , 0, , .		1
208	Automatic Seed Point Generation For Stereo Matching And Multi-image Registration. , 0, , .		5
209	Estimating land surface albedo in the HAPEX-Sahel experiment: model-based inversions using ASAS. , 0, , .		2
210	An evaluation of global urban growth via comparison of DCW and DMSP-OLS satellite data. , 0, , .		3
211	High resolution interferometric SAR DEMs for hydrological network derivation. , 0, , .		0
212	Mapping urban landcover using the bidirectional reflectance distribution function BRDF/albedo product from the Moderate Resolution Imaging Spectroradiometer (MODIS). , 0, , .		3
213	Global albedo, BRDF and nadir BRDF-adjusted reflectance products from MODIS. , 0, , .		7
214	An application of stereomatching to the problem of geo-referencing historical air-photos. , 0, , .		0
215	A simple and quick sensitivity analysis method for methane isotopologues detection with GOSAT-TANSO-FTS. UCL Open Environment, 0, 2, .	0.0	1
216	3D MULTI-RESOLUTION MAPPING OF MARS USING CASP-GO ON HRSC, CRISM, CTX AND HIRISE. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B3-2021, 667-671.	0.2	1

#	ARTICLE	IF	CITATIONS
217	THE DIGITAL ELEVATION MODEL INTERCOMPARISON EXPERIMENT DEMIX, A COMMUNITY-BASED APPROACH AT GLOBAL DEM BENCHMARKING. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B4-2021, 395-400.	0.2	11
218	Reservoir Monitoring Using Satellite SAR and GNSS: a Case Study in Southern Italy. , 0, , .		1
219	EU-FP7-iMARS: ANALYSIS OF MARS MULTI-RESOLUTION IMAGES USING AUTO-COREGISTRATION, DATA MINING AND CROWD SOURCE TECHNIQUES: PROCESSED RESULTS – A FIRST LOOK. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B4, 453-458.	0.2	3
220	IDENTIFYING SURFACE CHANGES ON HRSC IMAGES OF THE MARS SOUTH POLAR RESIDUAL CAP (SPRC). International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B4, 463-469.	0.2	1
221	IR SPECTRAL MAPPING OF THE MARTIAN SOUTH POLAR RESIDUAL CAP USING CRISM. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B7, 71-75.	0.2	1
222	EVALUATION OF ASTER GDEM VER2 USING GPS MEASUREMENTS AND SRTM VER4.1 IN CHINA. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, I-4, 181-186.	0.0	13
223	3D Data Products and Web-GIS for Mars Rover Mission for Seamless Visualisation from Orbit to Ground-level. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-4, 249-256.	0.2	3
224	AN OPTIMISED SYSTEM FOR GENERATING MULTI-RESOLUTION DTMS USING NASA MRO DATASETS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B3, 115-121.	0.2	1
225	ICESAT VALIDATION OF TANDEM-X I-DEMS OVER THE UK. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B4, 129-136.	0.2	3
226	EU-FP7-iMARS: ANALYSIS OF MARS MULTI-RESOLUTION IMAGES USING AUTO-COREGISTRATION, DATA MINING AND CROWD SOURCE TECHNIQUES: PROCESSED RESULTS – A FIRST LOOK. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B4, 453-458.	0.2	1
227	QUANTITATIVE ASSESSMENT OF A NOVEL SUPER-RESOLUTION RESTORATION TECHNIQUE USING HiRISE WITH NAVCAM IMAGES: HOW MUCH RESOLUTION ENHANCEMENT IS POSSIBLE FROM REPEAT-PASS OBSERVATIONS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B4, 503-509.	0.2	2
228	ENHANCEMENT OF STEREO IMAGERY BY ARTIFICIAL TEXTURE PROJECTION GENERATED USING A LIDAR. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B5, 599-606.	0.2	4
229	EXTRACTION OF ICE SHEET LAYERS FROM TWO INTERSECTED RADAR ECHOGRAMS NEAR NEEM ICE CORE IN GREENLAND. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B7, 585-591.	0.2	1
230	FLUORESCENT ANALYSIS OF PHOTOSYNTHETIC MICROBES AND POLYCYCLIC AROMATIC HYDROCARBONS LINKED TO OPTICAL REMOTE SENSING. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XXXIX-B8, 555-559.	0.2	3
231	STEREO DERIVED CLOUD TOP HEIGHT CLIMATOLOGY OVER GREENLAND FROM 20 YEARS OF THE ALONG TRACK SCANNING RADIOMETER (ATSR) INSTRUMENTS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XXXIX-B8, 109-113.	0.2	1
232	Temporal analysis of all high-resolution Mars imaging products. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-4, 235-238.	0.2	0
233	DATA FUSION OF LIDAR INTO A REGION GROWING STEREO ALGORITHM. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-4/W5, 107-112.	0.2	4
234	IR SPECTRAL MAPPING OF THE MARTIAN SOUTH POLAR RESIDUAL CAP USING CRISM. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B7, 71-75.	0.2	0

#	ARTICLE	IF	CITATIONS
235	IDENTIFYING SURFACE CHANGES ON HRSC IMAGES OF THE MARS SOUTH POLAR RESIDUAL CAP (SPRC). International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B4, 463-469.	0.2	0
236	EVALUATION OF THE MAIN CEOS PSEUDO CALIBRATION SITES USING MODIS BRDF/ALBEDO PRODUCTS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B1, 217-220.	0.2	0
237	BATCH CO-REGISTRATION OF MARS HIGH-RESOLUTION IMAGES TO HRSC MC11-E MOSAIC. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B4, 491-495.	0.2	1
238	EXTRACTION OF ICE SHEET LAYERS FROM TWO INTERSECTED RADAR ECHOGRAMS NEAR NEEM ICE CORE IN GREENLAND. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B7, 585-591.	0.2	0
239	QUANTITATIVE ASSESSMENT OF A NOVEL SUPER-RESOLUTION RESTORATION TECHNIQUE USING HiRISE WITH NAVCAM IMAGES: HOW MUCH RESOLUTION ENHANCEMENT IS POSSIBLE FROM REPEAT-PASS OBSERVATIONS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B4, 503-509.	0.2	0
240	The Moderate Resolution Imaging Spectroradiometer (MODIS) BRDF and albedo product: preliminary results. , 0, , .		1